SAGES 2017 Flexible Endoscopy Course for Fellows

Grainger Center for Simulation and Innovation (GCSI) | September 14-16, 2017 | Evanston, Il

Goals and Objectives: At the end of the course, the MIS fellow will be familiar with GI endoscopes, towers, and the instruments used for endoscopy and endoscopic surgery. The fellow will also be able to identify the most common types of GI pathology and options for management.

Course Chairs: Michael B. Ujiki, M.D., F.A.C.S and Bryan Sandler, M.D., F.A.C.S.

Course Faculty: TBD

Thursday, September 14, 2017

3:00-8:00pm Registration at the **Hilton Orrington / Evanston / 1710 Orrington Avenue, Evanston, Illinois, 60201, USA / TEL: +1-847-866-8700**

7:00-8:30pm Faculty & Fellows Welcome Reception in the Hilton Orrington –Room TBD

Friday, September 15, 2017

6:30am Meet in hotel lobby to shuttle to Evanston Hospital Main Entrance at 2650 Ridge Ave. Evanston, IL. 60201. GCSI Lab staff will greet shuttles and escort participants to Evanston Hospital Frank Auditorium, 1st Floor, Room 1951.

6:45am Breakfast- Evanston Hospital, Frank Auditorium

7:30-7:45am Introduction: *Why you're here, what we're going to do.* Michael Ujiki, MD and Bryan Sandler, MD

7:45-8:30am Panel I: Masses, Polyps, and Ulcers with Biopsy and Polypectomy Techniques (45 minutes)
Cases will be presented that illustrate the use of endoscopic biopsy forceps and snares, with emphasis on the type of pathology that are best suited for each of these instruments. Endoscopic video clips will be presented to enhance the fellow's ability to recognize GI endolumenal pathology.
Moderator: TBD
Panelists: TBD

Case 1: Colon cancer (5 minutes)
Biopsy forceps (cold) and biopsy brush

Case 2: Pedunculated polyp (5 minutes)
Snare Cautery Polypectomy

Case 3: Sessile cecal polyp (5 minutes)
Cold Snare Polypectomy

Case 4: Rectosigmoid hyperplastic polyp (5 minutes)
Cold vs hot biopsy forceps; mini-snare

Case 5: Barrett's esophagus (5 minutes)
Multiquadrant biopsy (Seattle protocol)

Case 6: Gastric Ulcer (5 minutes)

Multiple biopsy of ulcer edges

Case 7: Fundic gland polyps (5 minutes)
Management? No biopsy?

Case 8: Sessile Rectal Lesion (10 minutes)
Endoscopic mucosal resection

8:30-8:45am Bleeding Management Overview (15 minutes)
Presenter: TBD

Energy sources: Different types of energy sources and instruments will be presented along with application techniques for GI endoscopy.

- Overview of the Tools of the Trade
- Overview of multimodal therapy
- Overview of clip types and capabilities

8:45-9:15am Panel 2: Control of Hemorrhage with Case Presentations - Bleeding Ulcers, Anastomoses, GAVE, Post-Polypectomy Bleeding, Radiation Proctitis
Cases will be presented that illustrate how the types of energy sources are used in GI endoscopy, specifically, coaptive coagulation, radiofrequency ablation, Argon plasma and other laser applications. Endoscopic video clips will be presented to enhance the fellow's ability to recognize GI endoluminal pathology.
Moderator: TBD
Panelists: TBD

- Bleeding Management Cases- Thermal (25 minutes with questions)
- Prophylactic Vessel Management- Coag grasper (5 minutes)
- Vascular lesion (AVM, DeLafoy) - Gold probe (5 minutes)
- GAVE/Proctitis- APC (5 minutes)
- Polyp Bleeding Prevention- Bipolar cautery/Hot Biopsy (5 minutes)

9:15-9:30am Clips, Suture and Nets: Types of endo-clips, suturing devices and retrieval nets utilized in GI endoscopy will be introduced along with the appropriate uses of these instruments.
Presenter: TBD

9:30-9:45am **Break** *(Refreshments provided)*

9:45-10:35am Panel 3: Non-thermal Bleeding Case Presentations: Control of Hemorrhage, Closure of Mucosotomy and Perforations, Foreign Body and Specimen Retrieval
Cases will be presented that illustrate how the types of endoclips, suturing devices and retrieval nets are utilized in GI endoscopy, specifically, endoclips for control of hemorrhage, suturing devices for

closure of a mucosotomy and a Roth net for either retrieval of a specimen or foreign body. Endoscopic video clips will be presented to enhance the fellow's ability to recognize GI endoluminal pathology.
Moderator: TBD
Panelists: TBD

- Bleeding Management – Non-Thermal Cases (50 minutes with Questions)
- Variceal Bleeding – Banding (5 minutes)
- Variceal Bleeding – Blakemore tube (5 minutes)
- Peptic Ulcer – Injection therapy (5 minutes)
- Peptic Ulcer – topical medications (fibrin sealant) (5 minutes)
- Gastric Varix – Cyanoacrilate Injection (5 minutes)
- Staple line bleeding – Endoclip (5 minutes)
- Peptic ulcer bleeding – OTSC (5 minutes)
- Bleeding management – Overstitch (5 minutes)
- Polyp Bleeding Prevention – Endoloop (5 minutes)

10:35-10:50am Dilators and Stents*:* Appropriate uses of dilators (e.g., Maloney, Savory, balloon, pneumatic) will be presented which are utilized in GI endoscopy to dilate benign, malignant esophageal strictures and esophageal stents used for treatment of esophageal strictures and perforation.
Presenter: TBD

10:50-11:35am Panel 4: Dilation of Strictures, Stenting of Strictures and Perforations: Illustration of the types of dilators and stents and how they are used in GI endoscopy, specifically, dilation of a benign esophageal stricture (e.g. balloon, Savory), treatment of a benign or malignant esophageal stricture with a stent, and treatment of an esophageal perforation with a covered stent. Endoscopic video clips will be presented to enhance the fellow's ability to recognize GI endoluminal pathology.
Moderator: TBD
Panelists: TBD

Case 1: Anastomotic stricture (GJ post gastric bypass) (10 minutes)
Balloon dilation *(can't traverse; discuss wire guided/fluoro)*

Case 2: Schatzki's ring
Balloon dilation (can traverse) (5 minutes)

Case 3: Esophageal cancer (10 minutes)
Stent (fully vs. partially covered)

Case 4: Colon cancer (5 minutes)
Stent (uncovered)

Case 5: Sleeve gastrectomy leak (10 minutes)
Stent (covered, multiple)

Case 6: Radiation induced cervical stricture (5 minutes)
Savary dilators, wire-guided, fluoroscopy

11:35-11:55 am Advanced Endoscopic Techniques

Endoscopic Mucosal Resection, Endoscopic Submucosal Dissection, Mucosal Ablation, and Per-Oral Endoscopic Myotomy: Introduction of tools and appropriate technique application of endoscopic mucosal resection, endoscopic submucosal dissection, mucosal ablation with either radiofrequency ablation or cyroablation, and per-oral endoscopic myotomy.
Presenter: TBD

11:55-12:15 pm Endoscopic Weight Loss Procedures
Presenter: TBD

12:15-12:45pm Lunch / Endoscopic GERD Management (20 mins) and Lab Overview (10 mins)
Presenter: TBD

1:00-5:00 pm Hands-on Laboratory

2:00 pm Break (***Refreshments and Snacks provided)***

Instructors: **TBD**

Group I: 15 stations 30 fellows (Duration: 4 hours)

1. Sclerotherapy
2. Variceal Banding
3. Saline Lift Polypectomy
4. Tattoo
5. Management of Bleeding
6. Application of Clips
7. Polyloop placement
8. Balloon dilation
9. Foreign Body Removal
10. Enteral Access (PEG, PEG-JET)
11. NOTES transgastric access
12. POEM
13. Trouble shooting scenarios

Group II: 10 stations 30 fellows (Duration: 4 hours- 22 minutes per station)

Table 16-Medigus-**TBD**
Table 17-TIF procedure for Reflux- **TBD**
Table 18-Apollo overstitch- **TBD**
Table 19-Apollo overstitch- **TBD**
Table 20-Ovesco- **TBD**
Table 21-Lower **TBD**
Table 22-Upper **TBD**
Table 23-Stretta- **TBD**
Table 24-Barrx- **TBD**
Table 25-Simbionix/Break- **TBD**

5:15 pm	Meet in Women's Hospital Entrance of Evanston Hospital for shuttle back to hotel
6:15 pm	Meet in hotel lobby to shuttle to *(Gino's East)* for Faculty & Fellows Dinner (1st shuttle depart Gino's East, return to hotel at 9pm and 2nd shuttle depart Gino's East, return to hotel at 12pm)

Saturday, September 16, 2016

8:00 am	Meet in Hotel lobby to shuttle to Evanston Hospital Women's Hospital Entrance in rear of hospital. GCSI staff will greet shuttles and escort participants to the Grainger Center for Simulation and Innovation (GCSI)
8:15-9:00 am	Breakfast in GCSI
9:00-1:00 pm	Hands-on Lab: Group I will perform the techniques in Stations 16-25. Group II will perform the techniques in stations 1-15.
11:00 am	Break ***(Refreshments and Snacks provided)***
1:00 pm	Box lunch and Evaluations
2:00 pm	Airport shuttle departs to **Hobby International (HOU) and Bush International (IAH)** (Meeting place: TBD)